

Fig. 4a

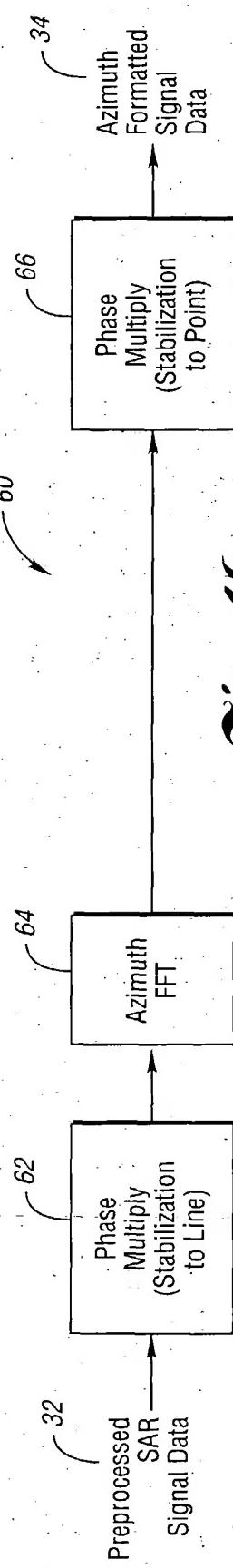


Fig. 4b



Fig. 4c

Title: METHOD AND SYSTEM FOR PROVIDING LONG-TRACK ALIGNMENT AND FORMATTING OF SYNTHETIC
APERTURE RADAR (SAR) DATA, AND SAR IMAGE FORMATION ALGORITHMS USING SUCH METHOD AND
SYSTEM

First Named Inventor: Walter G. Cararra
Atty. Docket No.: ERIM 0117 PUS

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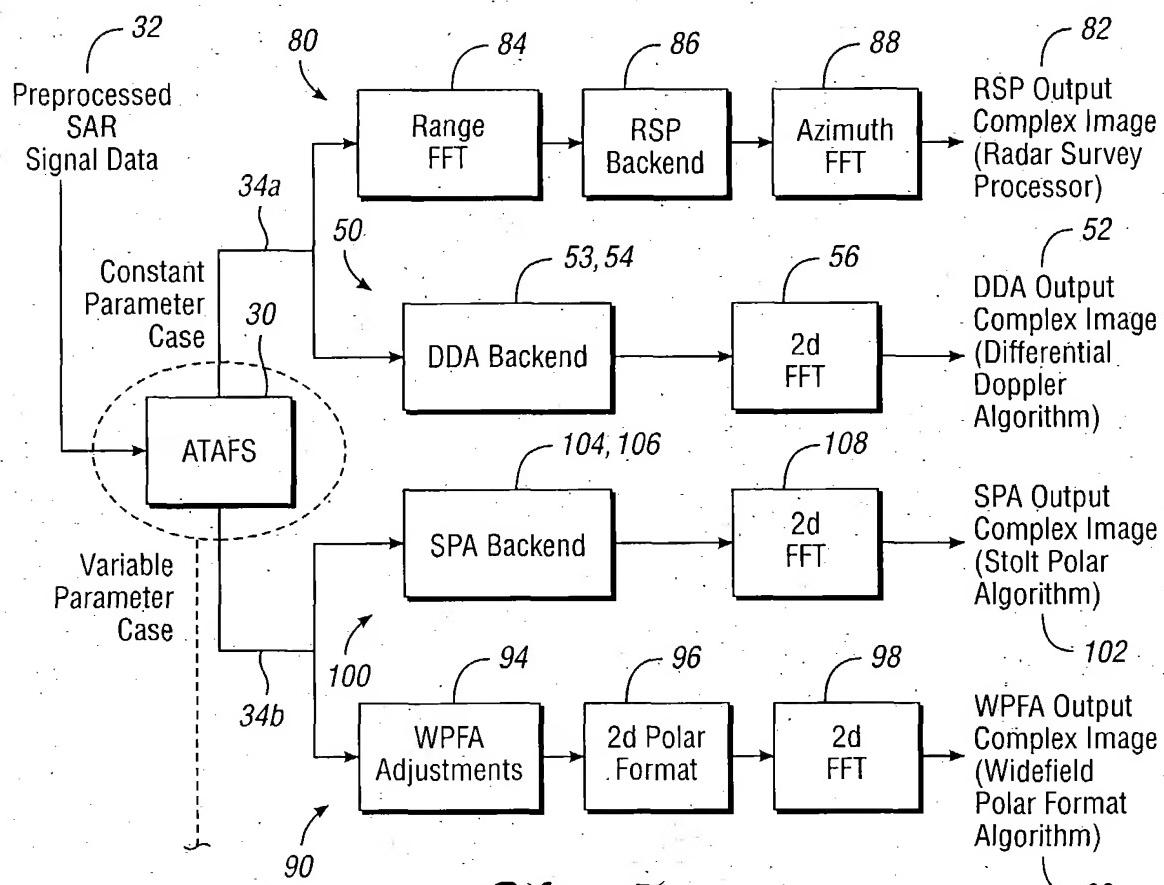


Fig. 5a

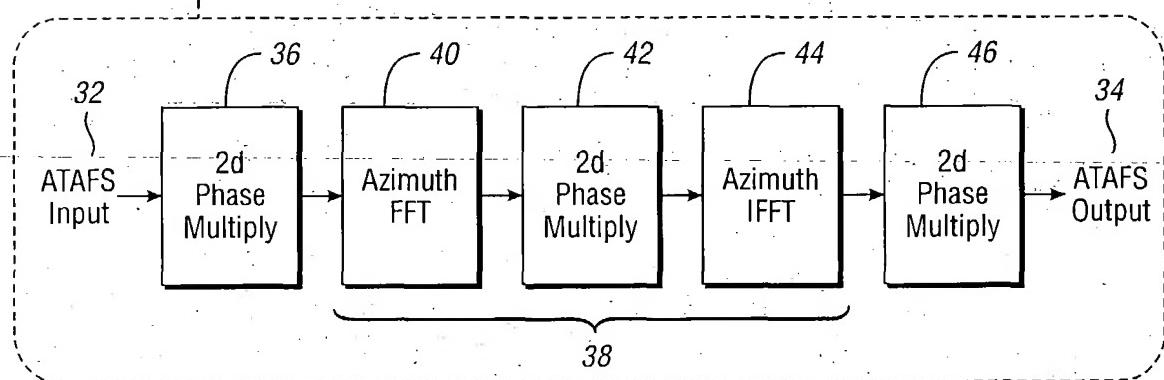
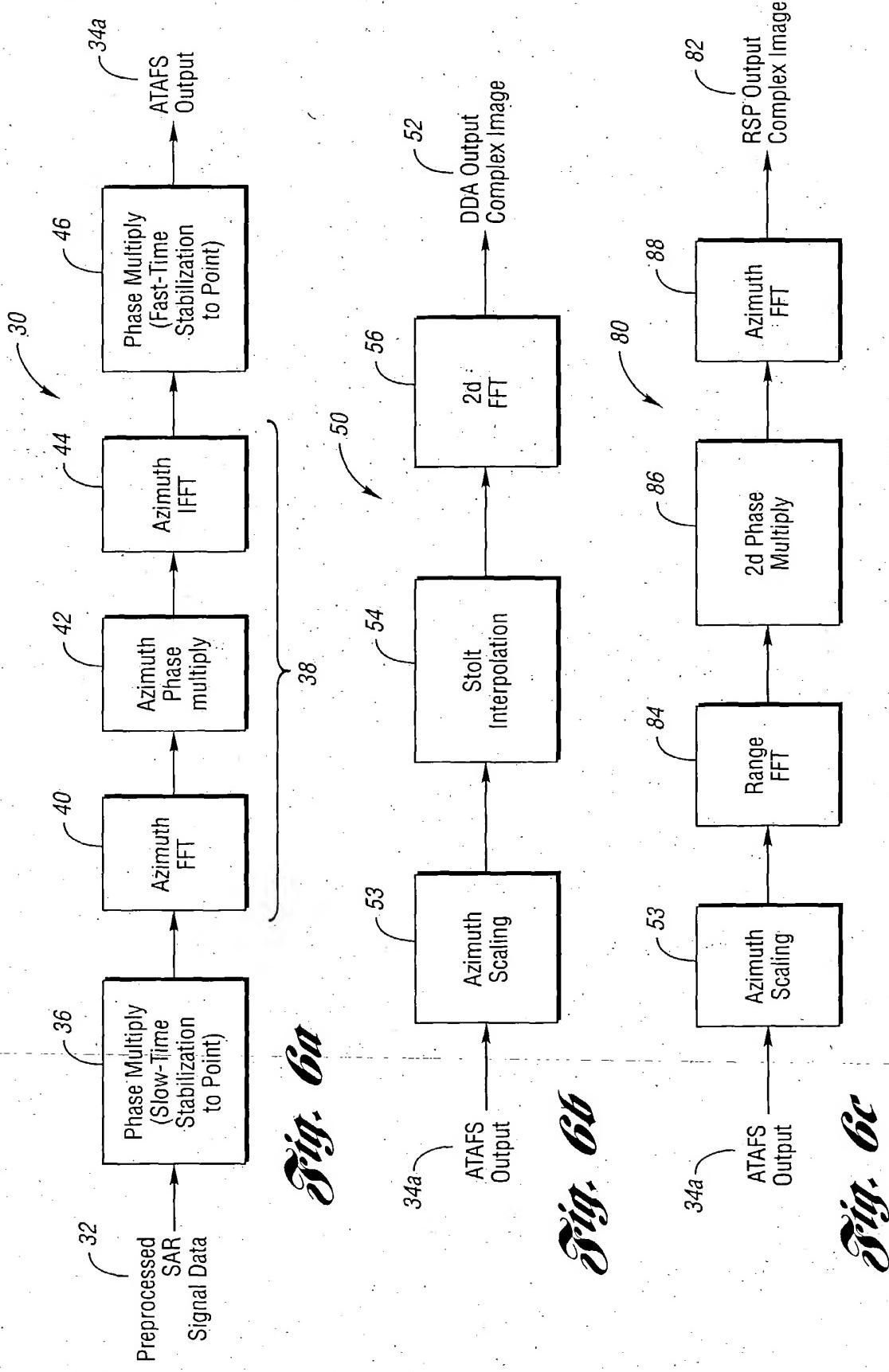


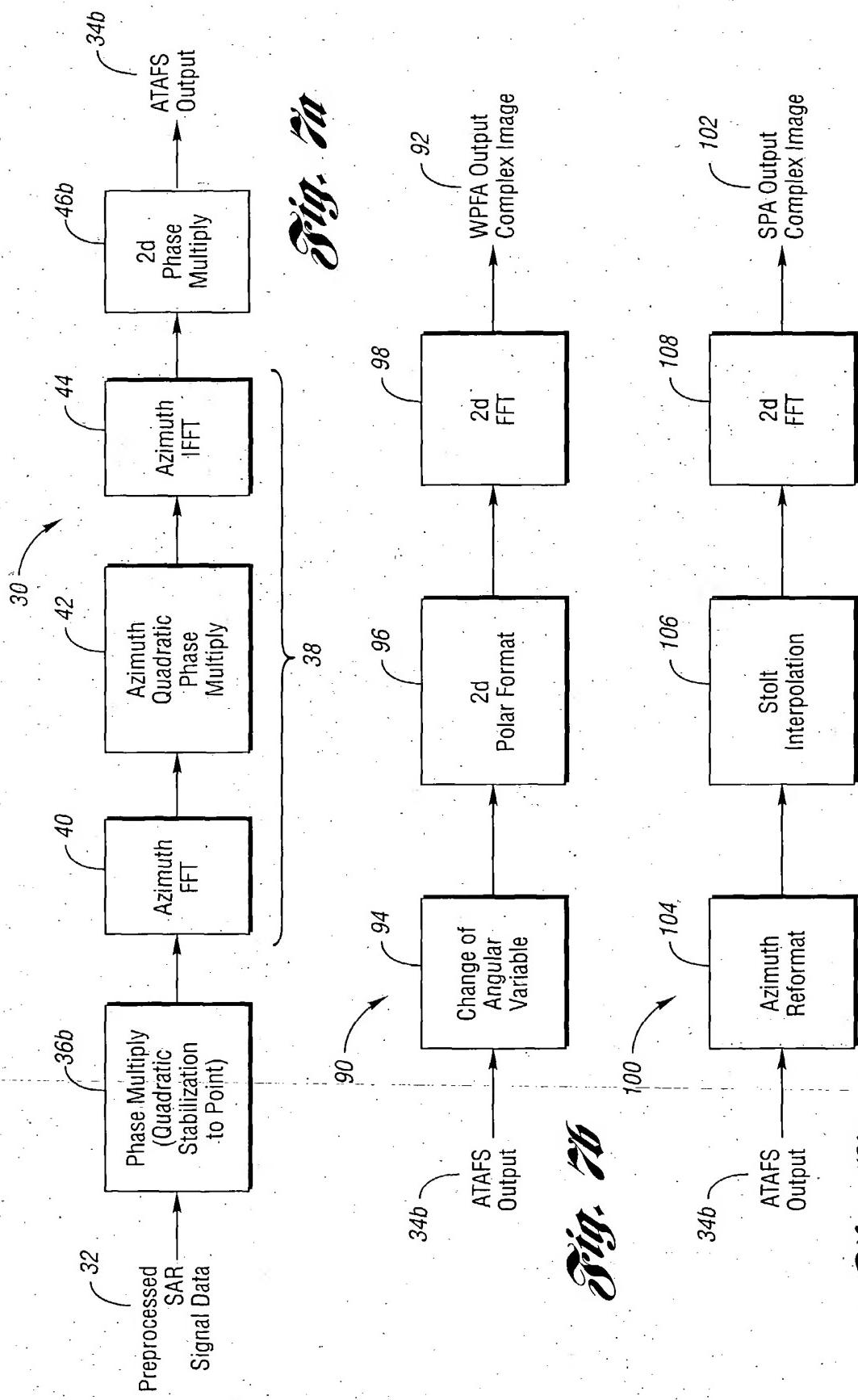
Fig. 5b



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Azimuth compressed data for scene center and far azimuth targets (stripmap illumination)

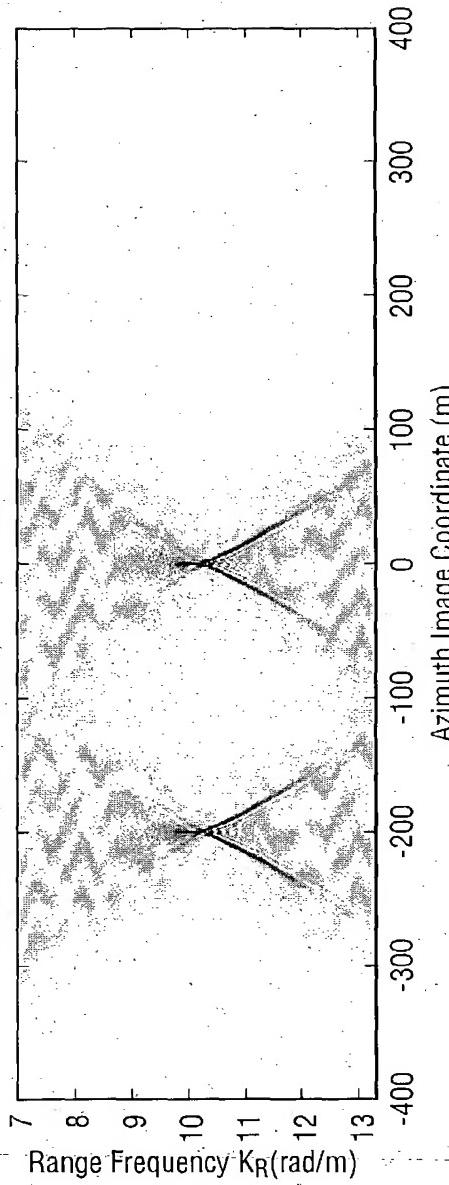


Fig. 8a

Wavenumber domain data for scene center and far azimuth targets (stripmap illumination)

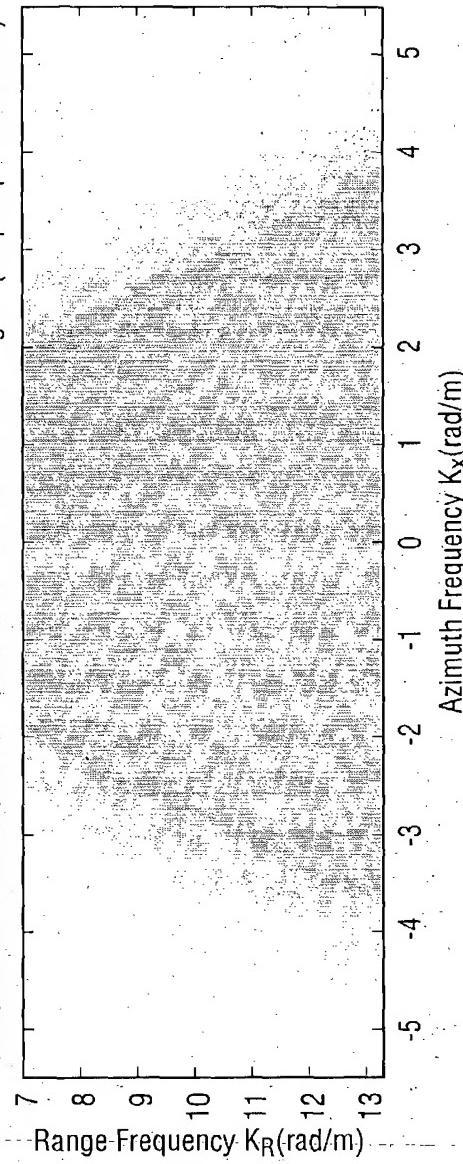


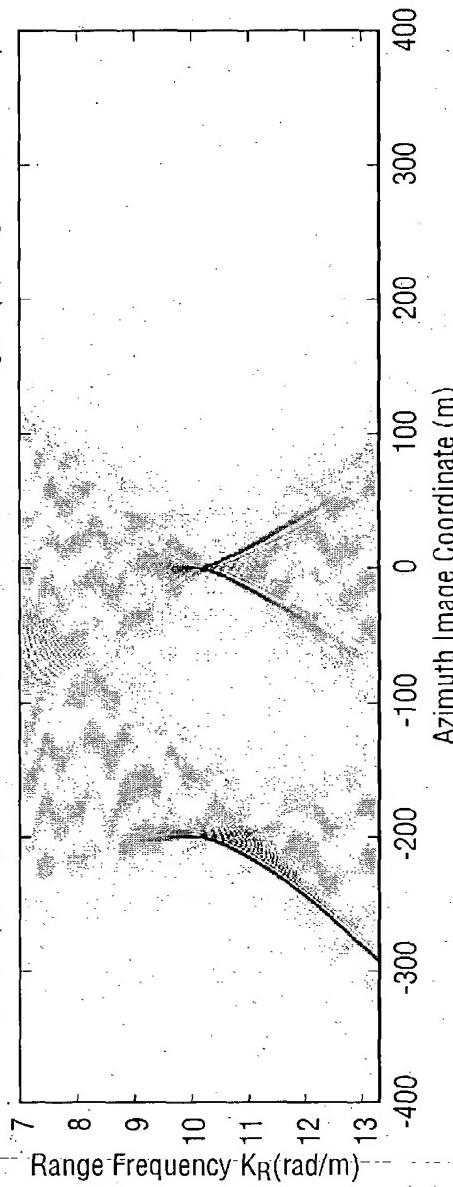
Fig. 8b

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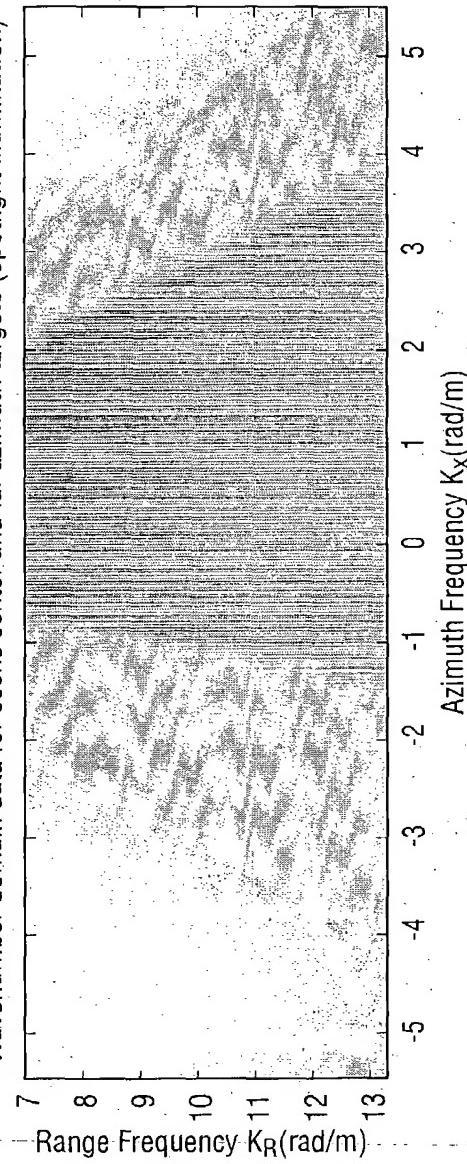
First Named Inventor: Walter G. Carara
Atty. Docket No.: ERIM 0117 PUS

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Azimuth compressed data for scene center and far azimuth targets (spotlight illumination)



Wavenumber domain data for scene center and far azimuth targets (spotlight illumination)



Azimuth compressed data for far and near range targets (spotlight illumination)

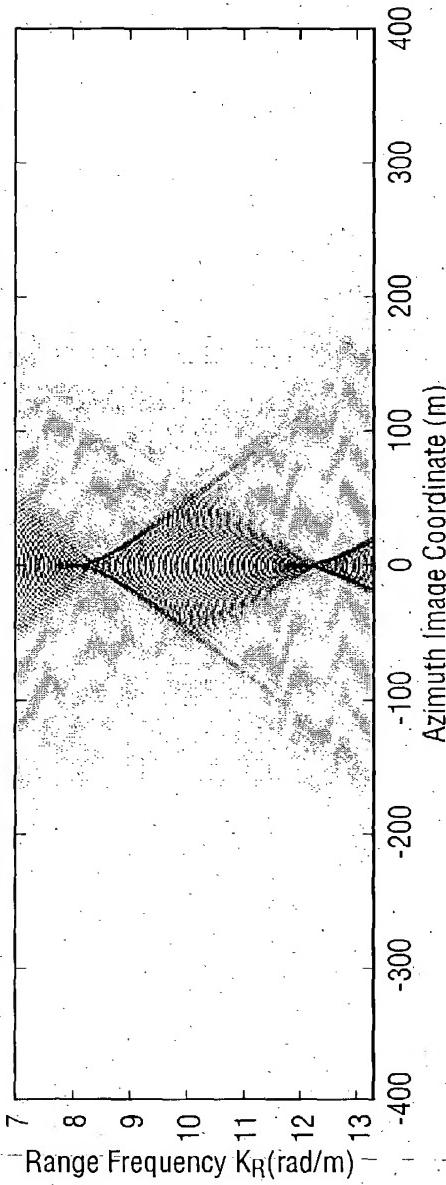


Fig. 10a

Wavenumber domain data for far and near range targets (spotlight illumination)

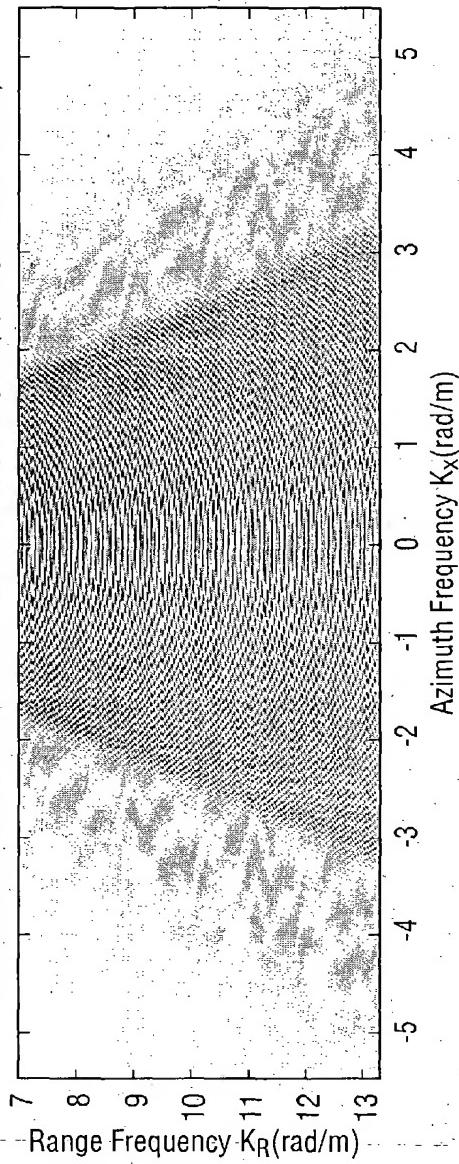


Fig. 10b

Title: METHOD AND SYSTEM FOR PROVIDING LONG-TRACK ALIGNMENT AND FORMATTING OF SYNTHETIC
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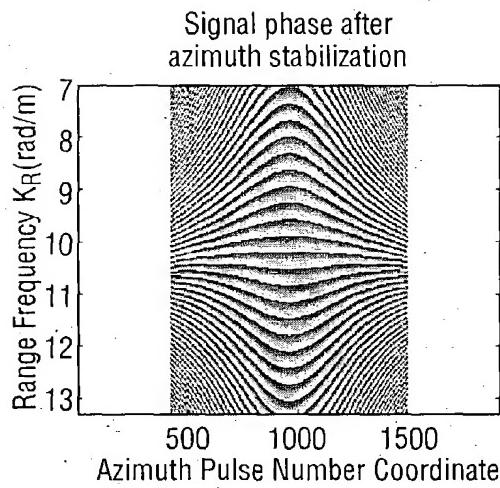


Fig. 11a

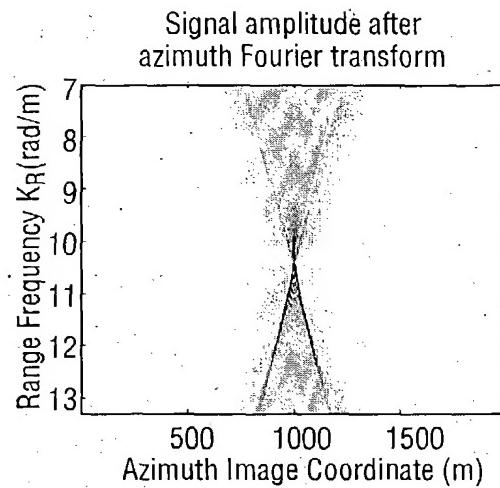


Fig. 11b

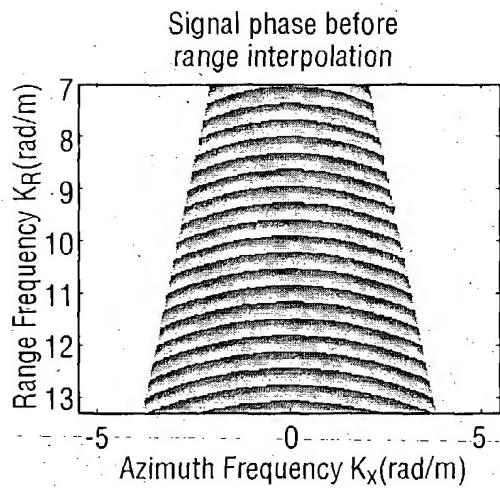


Fig. 11c

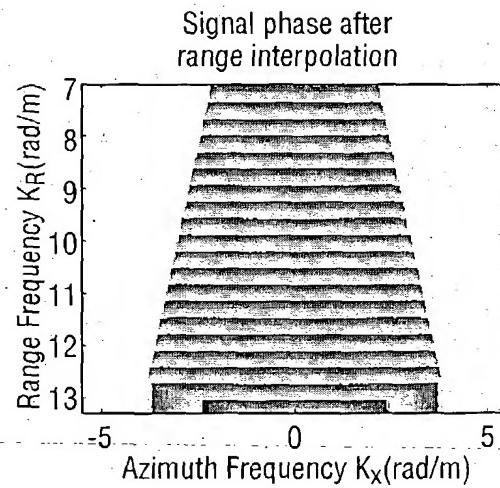


Fig. 11d

Title: METHOD AND SYSTEM FOR PROVIDING ALONG-TRACK ALIGNMENT AND FORMATTING OF SYNTHETIC APERTURE RADAR (SAR) DATA, AND SAR IMAGE FORMATION ALGORITHMS USING SUCH METHOD AND SYSTEM

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Image generated from simulated data using DDA for image formation

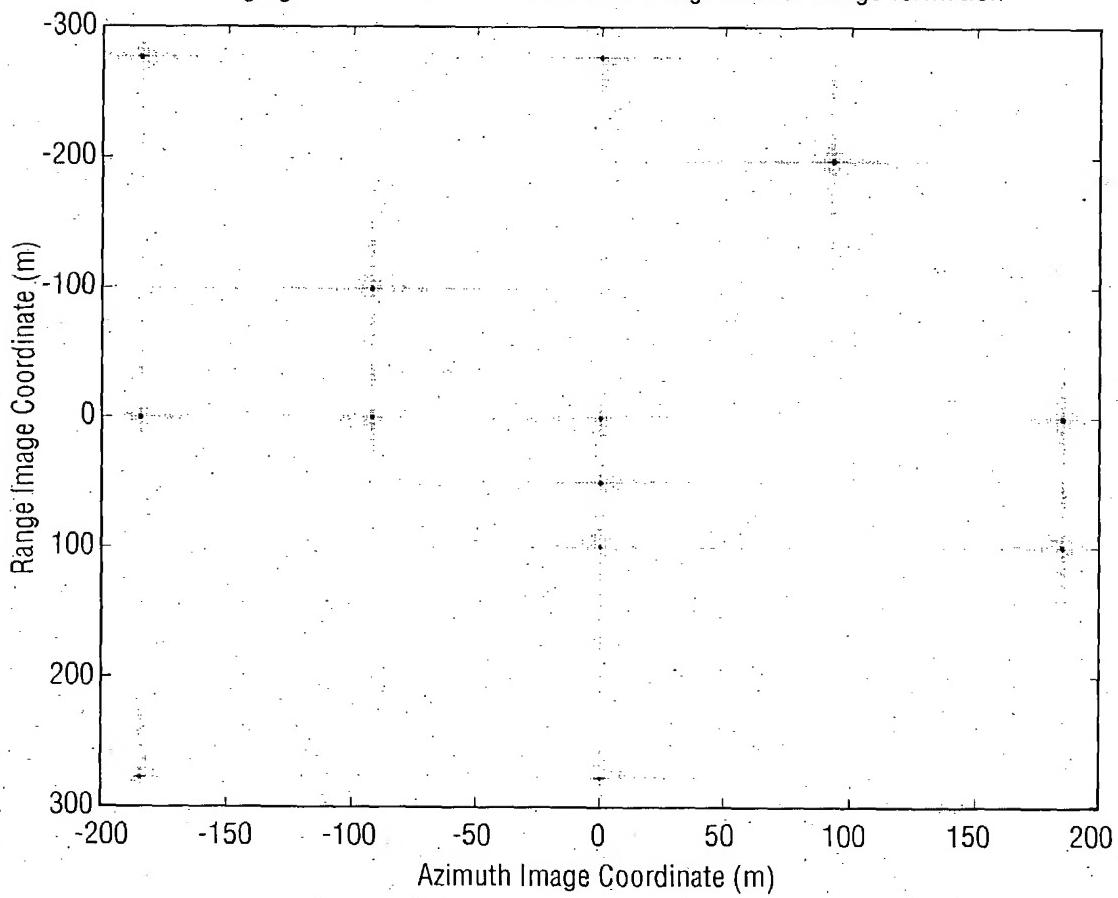


Fig. 12

Title: METHOD AND SYSTEM FOR PROVIDING LONG-TRACK ALIGNMENT AND FORMATTING OF SYNTHETIC
APERTURE RADAR (SAR) DATA, AND SAR IMAGE FORMATION ALGORITHMS USING SUCH METHOD AND
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First Named Inventor: Walter G. Cararra
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Azimuth Fourier transform of signal data with azimuth stabilization to a point

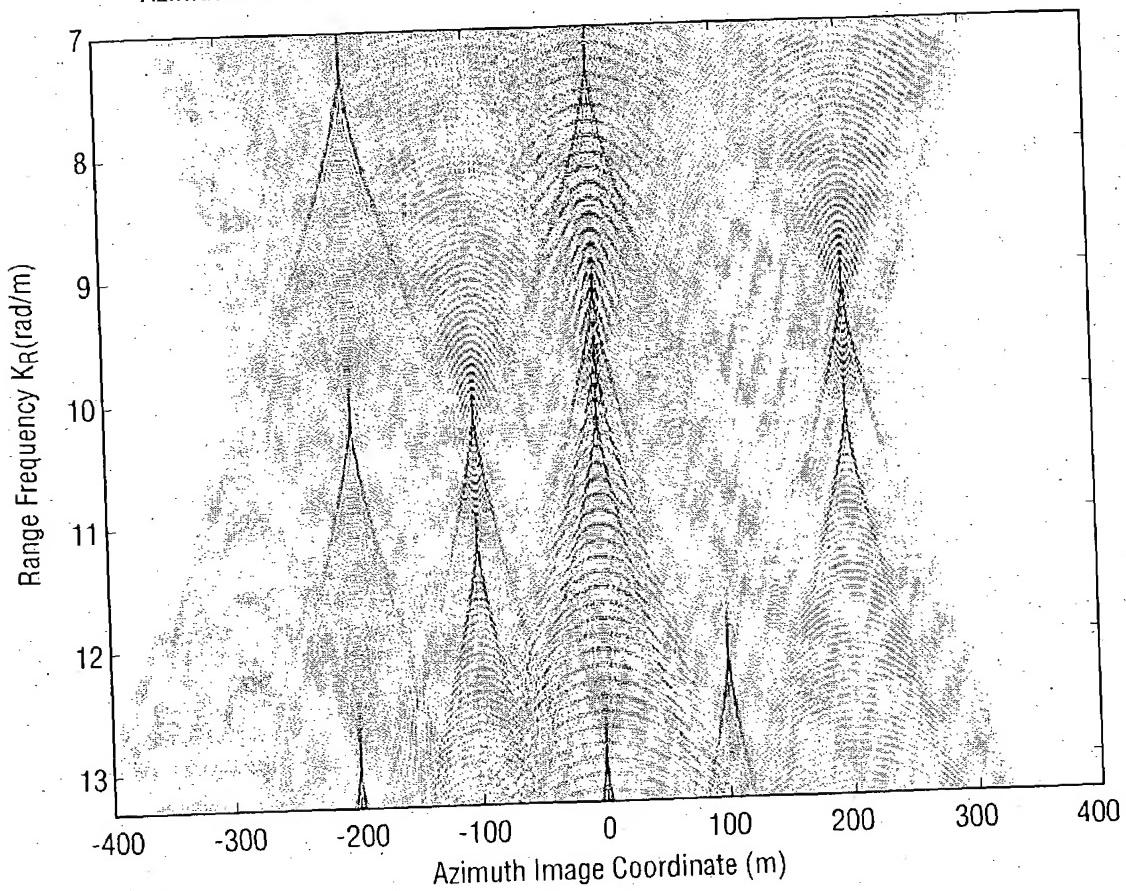


Fig. 13

Title: METHOD AND SYSTEM FOR PROVIDING LONG-TRACK ALIGNMENT AND FORMATTING OF SYNTHETIC
APERTURE RADAR (SAR) DATA, AND SAR IMAGE FORMATION ALGORITHMS USING SUCH METHOD AND
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First Named Inventor: Walter G. Cararra
Atty. Docket No.: ERIM 0117 PUS

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Azimuth Fourier transform of signal data with 2d stabilization to a point

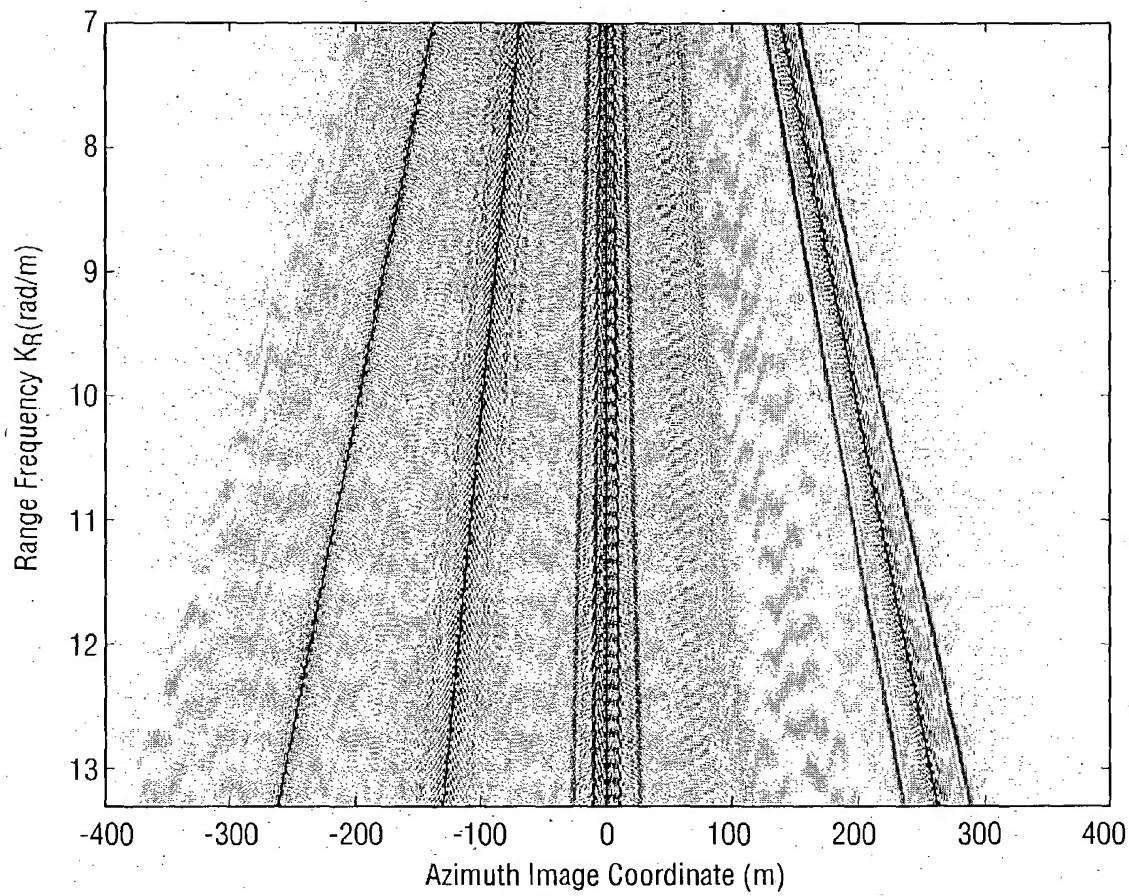


Fig. 14

Title: METHOD AND SYSTEM FOR PROVIDING LONG-TRACK ALIGNMENT AND FORMATTING OF SYNTHETIC
APERTURE RADAR (SAR) DATA, AND SAR IMAGE FORMATION ALGORITHMS USING SUCH METHOD AND
SYSTEM

First Named Inventor: Walter G. Cararra
Atty. Docket No.: ERIM 0117 PUS

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Range Fourier transform of signal data with azimuth stabilization to a point

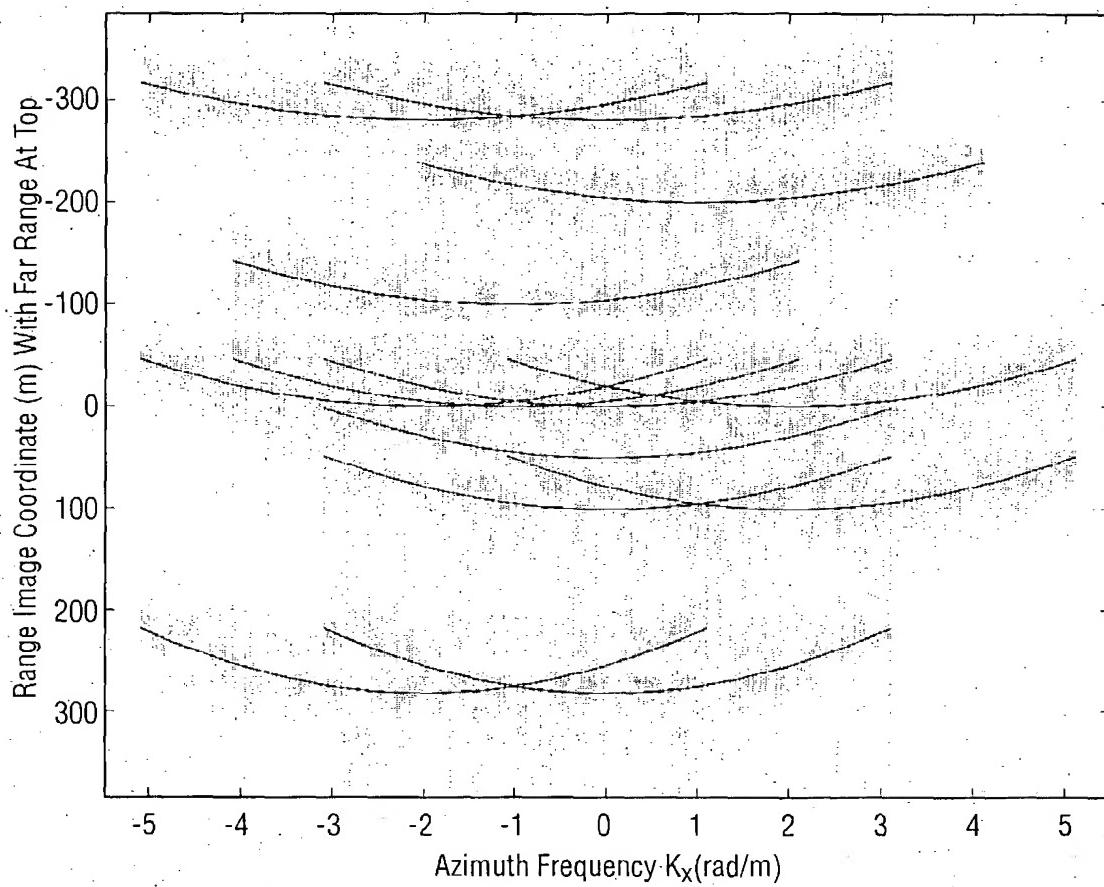


Fig. 15

Range Fourier transform of signal data with 2d stabilization to a point

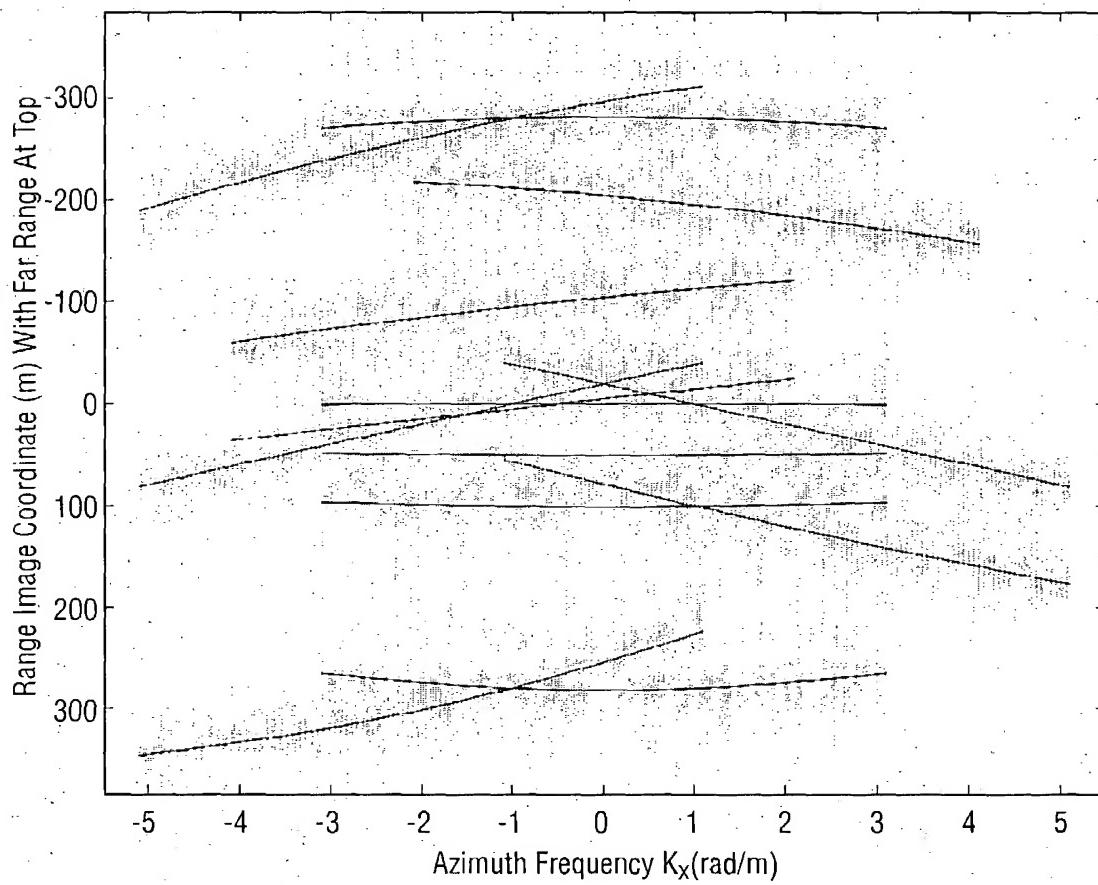
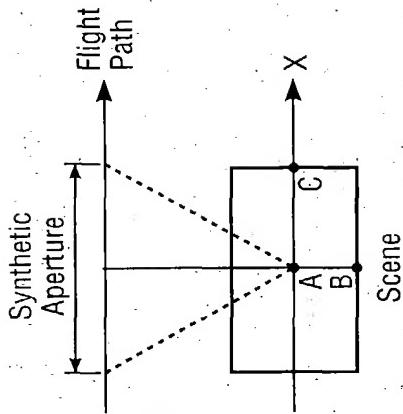
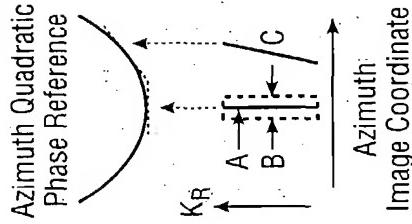


Fig. 16

Dig. 17a
Data Collection Domain

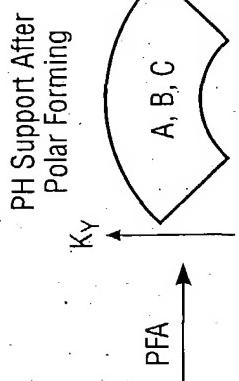


Dig. 17b
Application of Second
ATAFS Phase Adjustment

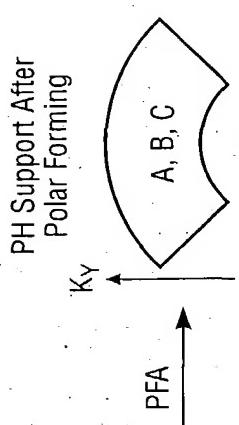


PH Support
After
ATAFS

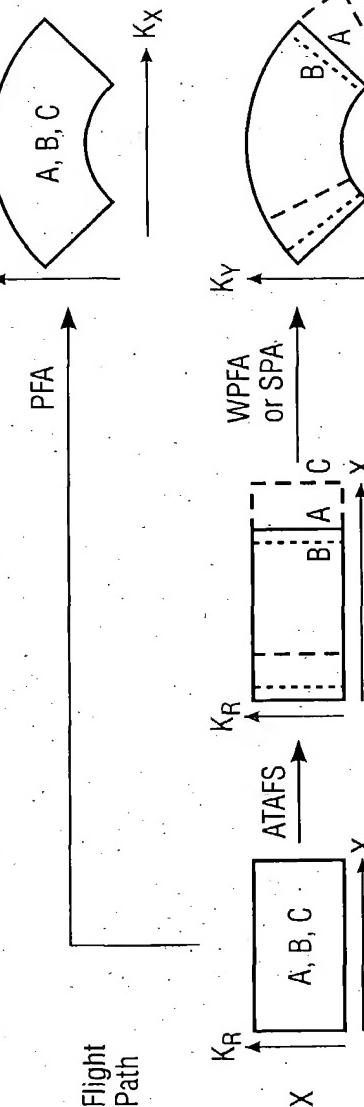
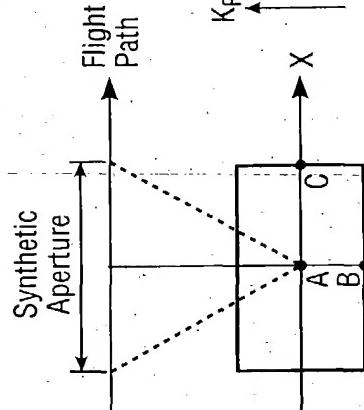
PH Support After
Polar Forming



PH Support of
Point Targets



Dig. 17c



Dig. 18

